

Application Serial No. 10/626,152
Reply to office action of July 11, 2006

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PATENT
Docket: CU-3309

JAN 08 2007

Amendments To The Title

Please replace the Title of the present application with the following amended

Title:

**--REFLECTIVE LIQUID CRYSTAL DISPLAY HAVING OUTER SUBSTRATE
CAPABLE OF COMPENSATING PHASE--.**

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Amendments To The Specification

Please replace the paragraph [00] in the present application page 9, line 17, to page 10, line 2, with the following amended paragraph:

[0032] As shown in FIG. 2, the reflective liquid crystal display in the present invention is comprised of a lower substrate 21 having a reflective electrode 22 and a lower orientation film 23, and an upper substrate 24 having a color filter 25 and an upper orientation film 26, which form into TN liquid crystal and are disposed to face each other due to an interposed liquid crystal layers having a predetermined phase delay value ($d\Delta n$), and there is only a polarizing plate attaching onto outside of the upper substrate ~~23~~ 24 opposed to the lower substrate 21 without a phase compensation film.

Please replace the paragraph [0033] in the present application page 10, lines 3-6, with the following amended paragraph:

[0033] Here, the lower orientation film 23 is tilted at a predetermined angle with respect to a horizontal line, and a orientation angle of the upper orientation film 26 has a constant angle with the upper orientation film ~~24~~ 23.

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Please replace the paragraph [0034] in the present application page 10, lines 7-15, with the following amended paragraph:

[0034] Especially, the upper substrate 24 ~~23~~ is constructed for acting as the phase compensation film. In other words, the substrate 24 ~~23~~ is a transparent film with $\lambda/4$ transparency having a certain optical axis capable of compensating phase. Here, a glass substrate making light of 550 nm wavelength to a circularly polarized light, and a glass substrate changing a wavelength of light phase from 550 nm to $\lambda/2$ can be used as the transparent film with $\lambda/4$ transparency capable of compensating phase.

Please replace the paragraph [0037] in the present application page 11, lines 1-6, with the following amended paragraph:

[0037] Since the reflective liquid crystal display of the present invention uses a glass substrate of $\lambda/4$ transparency as an upper substrate 24, an expensive phase compensation film is no longer required. Accordingly, it can cut down on unnecessary expense and simplify manufacturing process due to unnecessary process of attaching a phase compensation film.

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Please replace the paragraph [0038] in the present application page 11, lines 7-13, with the following amended paragraph:

[0038] In addition, the reflective liquid crystal display of the present invention can control an optical path, which cannot be compensated by using only a cell gap of the inside of cell and by double refraction value (Δn) of liquid crystal, by means of using an upper substrate 24 having a phase compensating function, also can freely adjust phase delay value ($d\Delta n$) of entire cells within 0.2.about.0.53.